IN THE CLAIMS:

1.   (Currently Amended) A dual platform communication controller for use with a wireless communication system, comprising:

a signal interpreter coupled to said wireless communication system and configured to recognize a first signal packet based on a first communication standard and a second signal packet based on a second communication standard; and

a traffic manager coupled to said signal interpreter and configured to provide a deterministic time-sharing between said first and second signal packets within said wireless communication system and prohibit interrupting a transmission of said second signal packet, when said signal interpreter recognizes said first signal packet, until said transmission of said second signal packet is complete.

2.   (Original) The controller as recited in Claim 1 wherein said first communication standard is configured to be IEEE 802.11.

3.   (Original) The controller as recited in Claim 1 wherein said second communication standard is configured to be Bluetooth.

4.   (Original) The controller as recited in Claim 1 wherein said traffic manager is configured to provide said deterministic time-sharing between said first and second signal packets based on a real-time requirement.

5.   (Original) The controller as recited in Claim 1 wherein said traffic manager is configured to provide said deterministic time-sharing between said first and second signal packets based on a period of time.

6.   (Original) The controller as recited in Claim 1 wherein said traffic manager is

configured to provide said deterministic time-sharing between said first and second signal packets by inhibiting a transmission capability of at least one of said first and second signal packets.

7. (Original) The controller as recited in Claim 1 wherein said traffic manager is further configured to operate in a default state having a listening mode and a standby mode.

8. (Currently Amended) A method of controlling a dual platform communication for use with a wireless communication system, comprising:

recognizing a first signal packet based on a first communication standard and a second signal packet based on a second communication standard;

determining presence of a request to transmit said first signal packet;

prohibiting interruption of a transmission of said second signal packet, when said request is present, until said transmission of said second signal packet is complete, signal interpreter recognizes said first signal packet; and

providing a deterministic time-sharing between said first and second signal packets within said wireless communication system after said transmission of said second signal packet is complete.

9. (Original) The method as recited in Claim 8 wherein said first communication standard is IEEE 802.11.

10. (Original) The method as recited in Claim 8 wherein said second communication standard is Bluetooth.

11. (Original) The method as recited in Claim 8 wherein said providing a deterministic time-sharing between said first and second signal packets is based on a real-time requirement.

12. (Original) The method as recited in Claim 8 wherein said providing said deterministic time-sharing between said first and second signal packets is based on a period of time.

13.   (Original) The method as recited in Claim 8 wherein said providing said deterministic time-sharing between said first and second signal packets employs inhibiting a transmission capability of at least one of said first and second signal packets.

14.   (Original) The method as recited in Claim 8 wherein said providing further provides operating in a default state having a listening mode and a standby mode.

15.   (Currently Amended) A wireless communication system, comprising:

a first wireless network based on a first communication standard that employs a first wireless station and a first signal packet;

a second wireless network based on a Bluetooth communication standard that employs a second wireless station and a second signal packet; and

a dual platform communication controller coupled to said first and second wireless networks, including:

a signal interpreter that recognizes said first signal packet based on said first communication standard and said second signal packet based on said Bluetooth communication standard, and

a traffic manager, coupled to said signal interpreter, that provides a deterministic time-sharing between said first and second signal packets within said wireless communication system and prohibits interrupting a transmission of said second signal packet, when said signal interpreter recognizes a request to transmit said first signal packet, until said transmission of said second signal packet is complete.

16.   (Original) The system as recited in Claim 15 wherein said first communication standard is IEEE 802.11.

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17.   (Currently Amended) The system as recited in Claim 15 wherein said traffic manager is configured to prohibit interrupting said transmission by maintaining assertion of a Bluetooth transmission bus for a designated period of time after recognizing said <u>request to transmit said</u> first signal packet.

18.   (Previously Presented) The system as recited in Claim 15 wherein said traffic manager interrupts communication traffic of said first and second signal packets when receiving notification of a priority Bluetooth transmission.

19.   (Original) The system as recited in Claim 15 wherein said traffic manager provides said deterministic time-sharing between said first and second signal packets based on a period of time.

20.   (Original) The system as recited in Claim 15 wherein said traffic manager provides said deterministic time-sharing between said first and second signal packets by inhibiting a transmission capability of at least one of said first and second signal packets.

21.   (Original) The system as recited in Claim 15 wherein said traffic manager further operates in a default state having a listening mode and a standby mode.